

Rajiv Gandhi University of Health Sciences, Karnataka

I year B.Sc. Nursing (PC) Degree Examination – OCT-2019

Time: 3 Hours**Max. Marks: 38 Marks**

Biochemistry

Q.P. Code: 1739

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary
(Note : Both QP Codes 1739 and 1740 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer any One)**1 x 10 = 10 Marks**

1. Define Gluconeogenesis. Describe the pathway of gluconeogenesis in detail.
2. Write the steps involved in the synthesis of urea. Add a note on its regulation.

SHORT ESSAYS (Answer any Four)**4 x 5 = 20 Marks**

3. Electrolytes of human body and their functions.
4. Explain in detail about fluid mosaic model.
5. Biomedical importance of proteins.
6. The steps of Hexose Monophosphate Pentose (HMP) pathway and its significance.
7. Describe the process of transport mechanism across the cell membrane.

SHORT ANSWERS**4 x 2 = 8 Marks**

8. What is lactose intolerance?
9. What is phosphorylation?
10. Essential amino acids.
11. Write the normal values of HDL, LDL, VLDL in the blood.
